

ABSTRACT OF THE DISCLOSURE

A bearing supporting structure includes a bearing sleeve provided on a motor stator unit for supporting a bearing therein and a coil therearound. The bearing sleeve is provided on an inner wall surface near an outer end thereof with radially inward projected stoppers, and split at an inner end to provide a plurality of spaced segments having a certain elasticity, each of which is provided at a lower inner surface with a radially inward projected flange having an inclined side surface. The bearing is moved through the flanges into the bearing sleeve to stably position therein between the stoppers and the flanges, so that the bearing may be quickly and easily removed from the bearing sleeve via the elastic segments without the need of moving the coil externally mounted around the bearing sleeve.